

Seminars on Intrusion of Vapors into Indoor Air



Sponsored by the
U.S. Environmental Protection Agency
Office of Research and Development

<http://www.epa.gov/ttnrmrl>

Objectives

The U.S. Environmental Protection Agency's Office of Research and Development is sponsoring 3 two-day seminars on the potential for vapor intrusion of toxic and hazardous chemicals from contaminated soils or groundwater into indoor air pathways. At sites where soils or groundwater contain volatile or semi-volatile chemicals of concern, there is the potential for chemical vapors to migrate from the subsurface to overlying buildings. In extreme cases, these vapors may accumulate at concentrations that pose near-term safety hazards.

The seminars will introduce new EPA guidance and enable the dissemination and exchange of state-of-the-science information to better understand indoor air vapor intrusion from groundwater.

Topics will include:

- EPA's Guidance on Vapor Intrusion into Indoor Air
- Risk Characterization and Assessment
- Sampling and Analytical Methods
- Case Studies
- Risk Reduction and Communication
- Transport Mechanisms
- Models – Conceptual and Mathematical
- State Perspectives & Community Relations

A preliminary agenda is attached. Registrants will be sent an updated agenda once it is available.

Who Should Attend

The seminars will be aimed towards regulators and decision-makers from federal, regional, state and local governments that deal with indoor air vapor intrusion sites and issues. In addition, other interested parties from industrial facilities, academia and the private sector may attend.

Dates and Locations

December 3-4, 2002
Cathedral Hill Hotel
San Francisco, California

January 14-15, 2003
The Fairmont Hotel
Dallas, Texas

February 25-26, 2003
Hyatt Regency on Peachtree Street
Atlanta, Georgia

Location/Hotel Information

Location and hotel information are available on the seminar web site at <http://www.epa.gov/ttnrmrl>.

A limited room block has been reserved at each hotel. Please see the web site for hotel rates and reservation information. Be sure to make your hotel reservations early because the room block will fill quickly.

Once you register for the seminar, you will receive a confirmation email with additional travel details and directions.

Registration

Registration is now open for regulators from federal, regional, state and local governments. Registration will open to the general public on the following dates:

San Francisco Seminar – October 7, 2002

Dallas Seminar – November 1, 2002

Atlanta Seminar – November 29, 2002

To register, visit the following EPA web site:

<http://www.epa.gov/ttbnrmrl>

Online registration is the easiest way to register and receive quick confirmation.

Or you may fax this form to: 703-736-0826
Attn: Alina Martin, SAIC

THERE IS NO REGISTRATION FEE.

Salutation (Mr., Ms., Dr., etc.) _____

First Name _____

Last Name _____

Title/Position _____

Company _____

Address _____

City _____

State _____

Zip Code _____

Country _____

Telephone _____

Fax _____

E-mail _____

Place a check mark by the seminar you plan to attend:

- ☐ December 3-4, 2002 in San Francisco, CA
- ☐ January 14-15, 2003 in Dallas, TX
- ☐ February 25-26, 2003 in Atlanta, GA

Place a check mark by your affiliation type:

- | | | |
|--|---------------------------------------|-------------------------------------|
| <input type="checkbox"/> Federal Agency | <input type="checkbox"/> State Agency | <input type="checkbox"/> Academia |
| <input type="checkbox"/> Regional Agency | <input type="checkbox"/> Local Agency | <input type="checkbox"/> Consultant |
| <input type="checkbox"/> Private Sector | <input type="checkbox"/> Other _____ | |

For More Information

Visit EPA's web site for more information at:

<http://www.epa.gov/ttbnrmrl>

If you have questions regarding the seminars, please contact:

Alina Martin
SAIC Technical Conference Solutions
11251 Roger Bacon Drive
Reston, VA 20190
Phone: 703-318-4678
Fax: 703-736-0826
Email: tcs-events@saic.com

PRELIMINARY AGENDA

****The agenda is subject to change****

Seminar on Indoor Air Vapor Intrusion

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Day 1

-----SESSION 1: PLENARY-----

Opening Remarks

Introduction: Problem Definition, Background, Theory, and Guidance

EPA Guidance: Impact on RCRA, CERCLA, Brownfields, and OST Programs

State Guidance

-----SESSION 2: BACKGROUND-----

Risk Characterization and Assessment: Inhalation Standards/Interpretation

Conceptual Models of Vapor Intrusion

Background Ambient Air Quality

LUNCH: Stakeholders Panel Discussion (Industry, DoD, DOE, and other stakeholders)

-----SESSION 3: GUIDANCE-----

Overview of the Guidance Developed by EPA

States' Guidance: (MA, CO, CT, MI, IL etc.)

Case Study

Primary Screening: VOCs, Impacts, and Action Levels

Secondary Screening: Indoor Air Sampling, Soil Gas Sampling and Groundwater Data

Applications and Limitations of Models: JEM

Input Parameters: Description and Classification of Soils

Case Study Use of the EPA Guidance Document

Poster Session: Case Studies, Sampling and Analytical Procedures, Model Presentations, etc.

Day 2

-----SESSION 4: SITE-SPECIFIC PATHWAY ASSESSMENT-----

Overview of Site-Specific Pathway Assessment

Indoor Air Quality Sampling and Analysis

Soil Gas Sampling and Analysis

Groundwater Profiling

Mathematical Models and Site-Specific Data

-----SESSION 5: CASE STUDIES OF SITE-SPECIFIC PATHWAY ASSESSMENT-----

Raymark, CDOT, Redfield, Lowery AFB, ICI, UK, others

-----SESSION 6: RISK REDUCTION AND COMMUNICATION-----

Overview of Corrective Action Measures

Rationale and Selection of Mitigation Methods

Design, Effectiveness and Reliability of Sub-Slab Depressurization Systems

Background Ambient Air Quality

Risk Communication and Public Participation

-----SESSION 7: EXERCISES/CASE STUDIES-----

Groups will conduct hypothetical case studies.

ADJOURN